

GRADATION FOR WMM (As per MORT&H 400-11)

Name of Work	:	Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05
Client	:	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	:	M/s Tejus Consultants
Contractor	:	M/S Sri R Ramshankar.
Date of Testing	:	20.04.2018
Type of Mix	:	WMM
Sample I/D	:	WMM 1

Sample Location:	At plant	Date of Sampling:	20.04.2018
Type of material & Purpose:	WMM	Date of testing:	20.04.2018
		Oven Dry Wt.(gms):	10000.0

IS Sieve size in mm	Weight retained (gm)	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
53	0	0	0.00	100.00	100.00
45	620	620	6.20	93.80	95-100
22.4	2542	3162	31.62	68.38	60-80
11.2	1784	4946	49.46	50.54	40-60
4.75	1462	6408	64.08	35.92	25-40
2.36	1342	7750	77.50	22.50	15-30
0.6	890	8640	86.40	13.60	8.0-22.0
0.075	852	9492	94.92	5.08	0-8
Pan	508				
Total	10000				

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.


 Authorised Signatory


TEJUS CONSULTANTS

Project

Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division.
3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division,
4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05

Client

BRUHAT BANGALORE MAHANAGARA PALIKE

Consultant

M/s Tejus Consultants

Contractor

M/S Sri R Ramshankar.

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28))

Date of Testing

21.04.2018

Layer no. or level

WMM I layer

Depth of hole

250mm

Field density:

Wt. of wet material from hole (Ww) gms.

1

2

3

6163

6115

6210

Wt. of sand+cylinder before pouring (w1) gms.

14000

14000

14000

Wt. of sand+cylinder after pouring (w2) gms.

9750

9745

9730

Wt. of sand in cone (w3) gms.

835

842

830

Wt. of sand in hole (w4)=(w1-w2-w3) gms.

3415

3413

3440

Bulk density of sand (ys)gm/cc

1.31

1.32

1.31

Bulk density of material(i.e. wt. of the wet material) (yb)=(Ww/w4*(ys))gm/cc

2.36

2.37

2.36

Moisture meter reading(moisture content)

12.45

12.42

12.50

Result

FDD(Wt.of the dry material)=(100yb/100+mc)gm/cc

2.10

2.10

2.10

MDD

2.14

2.14

2.14

OMC

12.50%

12.50%

12.50%

% of Compaction Obtained

98.24

98.31

98.23

Compaction Required

98%

98%

98%

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported within 15days from the date of testing.

Authorised Signatory

TEJUS CONSULTANTS

58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

AGGREGATE IMPACT VALUE

(IS: 2386 Part - 4)

TEJUS CONSULTANTS

Project	Package-10.1. Construction of anganawadi building at kogilu in ward no.05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakanthanagara 1st stage cross roads in Ward No 05		
Client	BRUHAT BANGALORE MAHANAGARA PALIKE		
Consultant	M/s Tejus Consultants		
Contractor	M/S Sri R Ramshankar.		
Proposed Use	BC	Date of Sampling	26.04.2018
Sample Location	At plant	Date of Testing	26.04.2018

Sl. No.	Description		Test No.			Spec Limit (%)
			1	2	3	
1	Wt. of stone pieces (dry) passing IS Sieve 12.5mm but retained in IS sieve 10mm (gm)	(Wa)	382.00	384.00	386.00	
2	Wt. of the fraction retained in IS sieve 2.36mm after the impact test (gm)	(Wb)	300.00	297.00	298.00	
3	Wt. of the fraction passed in IS sieve 2.36mm after the impact test (gm)	(Wc)	82.00	87.00	88.00	
4	Aggregate Impact Value (%)	(Wc/Wa)*100	21.47	22.66	22.80	
5	Average Aggregate impact value	(%)	22.31			Max - 30 %

Remarks : ☒ Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.

Authorised Signature

FLAKINESS AND ELONGATION INDICES (IS 2386, PART 1)

Project : Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05

Client : BRUHAT BANGALORE MAHANAGARA PALIKE

Consultant : M/s Tejus Consultants

Contractor: M/S Sri R Ramshankar.

Type of Material BC Proposed Use BC

Sample Location At plant Date of Sampling 26.04.2018

Date of Testing 26.04.2018

Size of aggregate		Flakiness Index		Elongation Index	
Passing through IS sieve, mm	Retained on IS sieve, mm	Total wt. of aggregate retained on sieves (A) gms.	Wt. of aggregate passing from Flakiness gauge (B) gms	Wt. of aggregate retained on Flakiness gauge (C) gms	Wt. of aggregate retained on Elongation gauge after retained on Flakiness gauge(D)gms
63.0	50.0	0	0	0	0
50.0	40.0	0	0	0	0
40.0	31.5	0	0	0	0
31.5	25.0	0	0	0	0
25.0	20.0	0	0	0	0
20.0	16.0	635	78	557	58
16.0	12.5	1200	110	1090	80
12.5	10.0	512	62	450	54
10.0	6.3	510	52	458	48
Total		2857	302	2555	240

Note: Minimum 200 Pcs should be taken on each fraction of test

Flakiness Index(%)	10.57
Elongation Index(%)	9.39
Combined FI+EL (%)	19.96

Note:

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
- Any Query regarding the report must be reported reported within 15days from the date of testing.



GRADATION FOR BC

(As per MORT&H 500-18, Grading-2)

Name of Work

Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No.05

Client

BRUHAT BANGALORE MAHANAGARA PALIKE

Consultant

M/s Tejus Consultants

Contractor

M/S Sri R Ramshankar.

Date of Testing

26.04.2018

Type of Mix

BC

Sample I/D

BC3

Sample Location:

At plant

Date of Sampling:

26.04.2018

Type of material & Purpose:

BC

Date of testing:

26.04.2018

Oven Dry Wt.(gms):

1200.0

IS Sieve size in mmr	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
19.00	0	0	0.00	100.00	100.00
13.20	135	135.0	11.25	88.75	79 - 100
9.50	104	239.0	19.92	80.08	71 - 95
4.75	224	463.0	38.58	61.42	53 - 71
2.360	126	589.0	49.08	50.92	42 - 58
1.180	122	711.0	59.25	40.75	34 - 48
0.600	104	815.0	67.92	32.08	26 - 38
0.300	105	920.0	76.67	23.33	18 - 28
0.150	87	1007.0	83.92	16.08	12 - 20
0.075	93	1100.0	91.67	8.33	4 - 10
Pan	100.0				
Total	1200.0				

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.



TEJUS CONSULTANTS

No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

DETERMINATION OF RATE OF SPREAD TACK COAT

Name of Work :

Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05

Client :

BRUHAT BANGALORE MAHANAGARA PALIKE

Consultant :

M/s Tejus Consultants

Contractor :

M/S Sri R Ramshankar.

Date of Testing :

27.04.2018

Type of Mix :

Tack coat

Sample I/D.:

1

Determination	Unit	Test No		
		1	2	3
Size of Plate (mxm)	Mt	0.30 x .30	0.30 x .30	0.30 x .30
Area of Plate (a)	Sq.mtr	0.09	0.09	0.09
Initial Wt of empty Plate (b)	Kg	0.785	0.784	0.800
Final weight of plate after application of tack Coat (c)	Kg	0.808	0.807	0.823
Weight of tack Coat (d=c-b)	Kg	0.023	0.023	0.023
Rate of spread of tack coat	Kg/sq.m	0.250	0.256	0.251
Average	Kg/sq.m	0.252		
Specified Limit	Kg/sq.m	0.250 Kg/sq.m		

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.

TEJUS CONSULTANTS
Authorised Signatory

BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE MIX

Name of Work :	Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05
Client :	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant :	M/s Tejus Consultants
Contractor :	M/S Sri R Ramshankar.
Date of Testing :	27.04.2018
Type of Mix :	BC
Sample I/D :	BC1

DETERMINATION OF BITUMEN CONTENT

Description	Trail 1	Trail 2
1. Weight of Mixture before extraction, g	955	925
2. Weight of Mixture after extraction, g	905	877
3. Weight of Bitumen	50	48
4. Weight of filter paper before extraction, g	2.00	2.00
5. Weight of filter paper after extraction, g	4.10	4.00
6. Weight of fines, g	1.60	2.00
7. Weight of Bitumen & fines	51.60	50.00
8. Bitumen content in %	5.40	5.41
9. Average Bitumen content in %	5.40	
10. Minimum Bitumen content in %		

GRADATION FOR BC AFTER EXTRACTION (As per MORT&H 500-18, Grading-2)

(As per MORTEN 500 IC, 2000)					
Sample Location:	At site		Date of Sampling:	27.04.2018	
Type of material & Purpose:	BC		Date of testing:	27.04.2018	
			Oven Dry Wt.(gms):	905.0	
IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
	0	0	0.00	100.00	100.00
19.00	90	90.0	9.94	90.06	79 - 100
13.20	115	205.0	22.65	77.35	71 - 95
9.50	130	335.0	37.02	62.98	53 - 71
4.75	116	451.0	49.83	50.17	42 - 58
2.360	104	555.0	61.33	38.67	34 - 48
1.180	70	625.0	69.06	30.94	26 - 38
0.600	72	697.0	77.02	22.98	18 - 28
0.300	58	755.0	83.43	16.57	12 - 20
0.150	70	825.0	91.16	8.84	4 - 10
0.075					
Pan	80.0				
Total	905.0				

The report shall not be reproduced, except in full, without the written approval of the laboratory.
The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
Query regarding the report must be reported within 15 days from the date of testing.

Authorised Signatory



GRADATION FOR BC
(As per MORT&H 500-18, Grading-2)

Name of Work	:	Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05
Client	:	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	:	M/s Tejus Consultants
Contractor	:	M/S Sri R Ramshankar.
Date of Testing	:	27.04.2018
Type of Mix	:	BC
Sample I/D	:	BC3

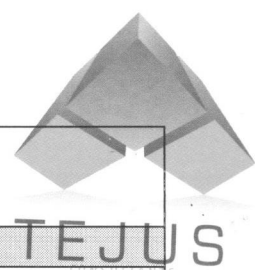
Sample Location:	At plant	Date of Sampling:	27.04.2018
Type of material & Purpose:	BC	Date of testing:	27.04.2018
		Oven Dry Wt.(gms):	1200.0

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
19.00	0	0	0.00	100.00	100.00
13.20	160	160.0	13.33	86.67	79 - 100
9.50	100	260.0	21.67	78.33	71 - 95
4.75	210	470.0	39.17	60.83	53 - 71
2.360	120	590.0	49.17	50.83	42 - 58
1.180	122	712.0	59.33	40.67	34 - 48
0.600	106	818.0	68.17	31.83	26 - 38
0.300	108	926.0	77.17	22.83	18 - 28
0.150	82	1008.0	84.00	16.00	12 - 20
0.075	92	1100.0	91.67	8.33	4 - 10
Pan	100.0				
Total	1200.0				

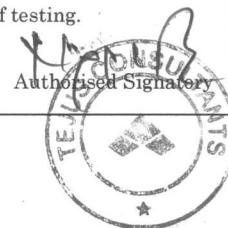
Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.





FLAKINESS AND ELONGATION INDICES (IS 2386, PART 1)					
Project :	Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05				
Client :	BRUHAT BANGALORE MAHANAGARA PALIKE				
Consultant :	M/s Tejus Consultants				
Contractor:	M/S Sri R Ramshankar.				
Type of Material	BC		Proposed Use	BC	
Sample Location	At plant		Date of Sampling	27.04.2018	
			Date of Testing	27.04.2018	
Size of aggregate		Flakiness Index		Elongation Index	
Passing through IS sieve, mm	Retained on IS sieve, mm	Total wt. of aggregate retained on sieves (A) gms.	Wt. of aggregate passing from Flakiness gauge (B) gms	Wt. of aggregate retained on Flakiness gauge (C) gms	Wt. of aggregate retained on Elongation gauge after retained on Flakiness gauge(D)gms
63.0	50.0	0	0	0	0
50.0	40.0	0	0	0	0
40.0	31.5	0	0	0	0
31.5	25.0	0	0	0	0
25.0	20.0	0	0	0	0
20.0	16.0	635	73	562	56
16.0	12.5	1200	108	1092	82
12.5	10.0	512	64	448	56
10.0	6.3	510	54	456	40
Total		2857	299	2558	234
Note: Minimum 200 Pcs should be taken on each fraction of test					
		Flakiness Index(%):	10.47		
		Elongation Index(%):	9.15		
		Combined FI+EL (%)	19.61		
Note: 1. The report shall not be reproduced, except in full, without the written approval of the laboratory. 2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site. 3. Any Query regarding the report must be reported reported within 15days from the date of testing.					



AGGREGATE IMPACT VALUE
(IS: 2386 Part - 4)

TEJUS

Project Package-10.1. Construction of anganawadi building at kogilu in ward no.05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakanthanagara 1st stage cross roads in Ward No.05

Client BRUHAT BANGALORE MAHANAGARA PALIKE

Consultant M/s Tejus Consultants

Contractor M/S Sri R Ramshankar.

Proposed Use BC **Date of Sampling** 27.04.2018

Sample Location At plant **Date of Testing** 27.04.2018

Sl. No.	Description		Test No.			Spec Limit (%)
			1	2	3	
1	Wt. of stone pieces (dry) passing IS Sieve 12.5mm but retained in IS sieve 10mm (gm)	(Wa)	400.00	368.00	380.00	
2	Wt. of the fraction retained in IS sieve 2.36mm after the impact test (gm)	(Wb)	310.00	290.00	297.00	
3	Wt. of the fraction passed in IS sieve 2.36mm after the impact test (gm)	(Wc)	90.00	78.00	83.00	
4	Aggregate Impact Value (%)	$(Wc/Wa)*100$	22.50	21.20	21.84	
5	Average Aggregate impact value	(%)	21.85			Max - 30 %

Remarks : ☒ Satisfactory / Not Satisfactory

- Note:**
- The report shall not be reproduced, except in full, without the written approval of the laboratory.
 - The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
 - Any Query regarding the report must be reported reported within 15days from the date of testing.

[Signature]
Authorised Signatory


BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE MIX

Name of Work :	Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05
Client :	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant :	M/s Tejus Consultants
Contractor :	M/S Sri R Ramshankar.
Date of Testing :	28.04.2018
Type of Mix :	BC
Sample I/D :	BC1

DETERMINATION OF BITUMEN CONTENT

Description	Trail 1	Trail 2
1. Weight of Mixture before extraction, g	955	924
2. Weight of Mixture after extraction, g	905	876
3. Weight of Bitumen	50	48
4. Weight of filter paper before extraction, g	2.00	2.00
5. Weight of filter paper after extraction, g	4.10	4.00
6. Weight of fines, g	1.60	2.00
7. Weight of Bitumen & fines	51.60	50.00
8. Bitumen content in %	5.40	5.41
9. Average Bitumen content in %	5.41	
10. Minimum Bitumen content in %	5.40	

GRADATION FOR BC AFTER EXTRACTION (As per MORT&H 500-18, Grading-2)

(As per MORTEN 500-10, Grading - 7)					
Sample Location:	At site		Date of Sampling:	28.04.2018	
Type of material & Purpose:	BC		Date of testing:	28.04.2018	
			Oven Dry Wt.(gms):	905.0	
IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
19.00	0	0	0.00	100.00	100.00
13.20	100	100.0	11.05	88.95	79 - 100
9.50	100	200.0	22.10	77.90	71 - 95
4.75	126	326.0	36.02	63.98	53 - 71
2.360	116	442.0	48.84	51.16	42 - 58
1.180	108	550.0	60.77	39.23	34 - 48
0.600	72	622.0	68.73	31.27	26 - 38
0.300	74	696.0	76.91	23.09	18 - 28
0.150	58	754.0	83.31	16.69	12 - 20
0.075	70	824.0	91.05	8.95	4 - 10
Pan	81.0				
Total	905.0				

Note:

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
- Any Query regarding the report must be reported reported within 15days from the date of testing

Authorised Signatory



[Handwritten Signature]

DETERMINATION OF RATE OF SPREAD TACK COAT

Name of Work :

Package-10.1. Construction of anganawadi building at kogilu in ward no05 byatarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05

Client :

BRUHAT BANGALORE MAHANAGARA PALIKE

Consultant :

M/s Tejus Consultants

Contractor :

M/S Sri R Ramshankar.

Date of Testing :

28.04.2018

Type of Mix :

Tack coat

Sample I/D :

1

Determination	Unit	Test No		
		1	2	3
Size of Plate (mxm)	Mt	0.30 x .30	0.30 x .30	0.30 x .30
Area of Plate (a)	Sq.mtr	0.09	0.09	0.09
Initial Wt of empty Plate (b)	Kg	0.812	0.790	0.805
Final weight of plate after application of tack Coat (c)	Kg	0.835	0.813	0.828
Weight of tack Coat (d=c-b)	Kg	0.023	0.023	0.023
Rate of spread of tack coat	Kg/sq.m	0.250	0.256	0.251
Average	Kg/sq.m	0.252		
Specified Limit	Kg/sq.m	0.250 Kg/sq.m		

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.

Authorised Signatory